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(FILE 'HOME' ENTERED AT 14:10:57 ON 20 OCT 2008)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 14:11:35 ON
20 OCT 2008

L1 228 S CHLOROTOXIN
L2 458535 S GLIOMA OR NEUROBLASTOMA OR GANGLIOMA OR MELANOMA OR PERIPHERAL
L3 2762534 S EPENDYMONA OR MEDULLOBLASTOMA OR SMALL(W)CELL(W)CARCINOMA OR
L4 3139995 S L2 OR L3
L5 128 S L1 AND L4
L6 59 DUP REM L5 (69 DUPLICATES REMOVED)

=> d au ti so pi 30-59 16

L6 ANSWER 30 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN DUPLICATE 16
AU Salbaum, J. Michael; Cirelli, Chiara; Walcott, Elisabeth; Krushel, Les A.;
Edelman, Gerald M.; Tononi, Giulio
TI Chlorotoxin-mediated disinhibition of noradrenergic locus
coeruleus neurons using a conditional transgenic approach
SO Brain Research (2004), 1016(1), 20-32
CODEN: BRREAP; ISSN: 0006-8993

L6 ANSWER 31 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN
IN Alvarez, Vermont L.; Grimes, Carol A.; Gonda, Matthew A.
TI Combination chemotherapy with chlorotoxin for treating cancer
SO PCT Int. Appl., 100 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003101474	A1	20031211	WO 2003-US17410	20030602
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2487425	A1	20031211	CA 2003-2487425	20030602
AU 2003240496	A1	20031219	AU 2003-240496	20030602
AU 2003240496	B2	20080110		
EP 1553962	A1	20050720	EP 2003-731504	20030602
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005537234	T	20051208	JP 2004-508829	20030602
MX 2004PA11871	A	20050726	MX 2004-PA11871	20041129
US 20060088899	A1	20060427	US 2005-516079	20051102

L6 ANSWER 32 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN
IN Sontheimer, Harald W.; Deshane, Jessy; Garner, Craig
TI Chlorotoxin inhibition of cell invasion, cancer metastasis,
angiogenesis and tissue remodeling
SO PCT Int. Appl., 67 pp.
CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003000203	A2	20030103	WO 2002-US20520	20020626
WO 2003000203	A3	20040311		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
 GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
 GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2002345959 A1 20030108 AU 2002-345959 20020626
 US 20030021810 A1 20030130 US 2002-180420 20020626

L6 ANSWER 33 OF 59 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
 AU Lyons, Susan A. [Inventor, Reprint Author]; Sontheimer, Harald W.
 [Inventor]
 TI Diagnosis and treatment of neuroectodermal tumors.
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Dec 23 2003) Vol. 1277, No. 4.
<http://www.uspto.gov/web/menu/patdata.html>. e-file.
 ISSN: 0098-1133 (ISSN print).
 PI US 6667156 20031223

L6 ANSWER 34 OF 59 MEDLINE on STN DUPLICATE 17
 AU Deshane Jessy; Garner Craig C; Sontheimer Harald
 TI Chlorotoxin inhibits glioma cell invasion via matrix metalloproteinase-2.
 SO The Journal of biological chemistry, (2003 Feb 7) Vol. 278, No. 6, pp. 4135-44. Electronic Publication: 2002-11-25.
 Journal code: 2985121R. ISSN: 0021-9258.

L6 ANSWER 35 OF 59 MEDLINE on STN DUPLICATE 18
 AU Dalton Stanislava; Gerzanich Volodymyr; Chen Mingkui; Dong Yafeng; Shuba Yaroslav; Simard J Marc
 TI Chlorotoxin-sensitive Ca²⁺-activated Cl⁻ channel in type R2 reactive astrocytes from adult rat brain.
 SO Glia, (2003 Jun) Vol. 42, No. 4, pp. 325-39.
 Journal code: 8806785. ISSN: 0894-1491.

L6 ANSWER 36 OF 59 LIFESCI COPYRIGHT 2008 CSA on STN
 AU Dalton, S.; Gerzanich, V.; Chen, M.; Dong, Y.; Shuba, Y.; Simard, J.M.*
 TI Chlorotoxin-sensitive Ca super(2+)-activated Cl super(-) channel in type R2 reactive astrocytes from adult rat brain
 SO Glia, (20030401) vol. 42, no. 1, pp. 325-339.
 ISSN: 0894-1491.

L6 ANSWER 37 OF 59 MEDLINE on STN
 AU Anonymous
 TI TransMolecular receives FDA approval for 131-I-TM-601 IND application.
 SO Expert review of anticancer therapy, (2002 Apr) Vol. 2, No. 2, pp. 139.
 Journal code: 101123358. ISSN: 1473-7140.

L6 ANSWER 38 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN
 IN Desir, Gary; Xu, Jianchao
 TI Compositions and methods relating to glucose metabolism, weight control, and food intake via inhibition of Kv1.3 activity
 SO PCT Int. Appl., 87 pp.
 CODEN: PIXXD2
 PATENT NO. KIND DATE APPLICATION NO. DATE
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PI WO 2002100248 A2 20021219 WO 2002-US18679 20020612
 WO 2002100248 A3 20030828
 W: AU, CA, JP
 RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
 PT, SE, TR
 US 20030032595 A1 20030213 US 2002-167528 20020611
 US 6861405 B2 20050301
 AU 2002313636 A1 20021223 AU 2002-313636 20020612

L6 ANSWER 39 OF 59 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN

AU Dhawan R; Joseph S; Sethi A; Lala A K (Reprint)
 TI Purification and characterization of a short insect toxin from the venom of the scorpion *Buthus tamulus*
 SO FEBS LETTERS, (25 SEP 2002) Vol. 528, No. 1-3, pp. 261-266.
 ISSN: 0014-5793.

L6 ANSWER 40 OF 59 MEDLINE on STN DUPLICATE 19

AU Lyons Susan A; O'Neal Jeffrey; Sontheimer Harald
 TI Chlorotoxin, a scorpion-derived peptide, specifically binds to gliomas and tumors of neuroectodermal origin.
 SO Glia, (2002 Aug) Vol. 39, No. 2, pp. 162-73.
 Journal code: 8806785. ISSN: 0894-1491.

L6 ANSWER 41 OF 59 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN

AU Lourenco G A; Lebrun I; Dorce V A C (Reprint)
 TI Neurotoxic effects of fractions isolated from *Tityus bahiensis* scorpion venom (Perty, 1834)
 SO TOXICON, (FEB 2002) Vol. 40, No. 2, pp. 149-157.
 ISSN: 0041-0101.

L6 ANSWER 42 OF 59 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

AU Bell, Randy S. [Reprint author]; Way, Dennis [Reprint author]; Hamilton, Allan [Reprint author]
 TI Evaluation of in vitro growth inhibition of human glioma cell lines exposed to a chloride channel binding protein derived from the scorpion *Leiurus quinquestriatus*.
 SO FASEB Journal, (March 7, 2001) Vol. 15, No. 4, pp. A555. print.
 Meeting Info.: Annual Meeting of the Federation of American Societies for Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA. March 31-April 04, 2001.
 CODEN: FAJOEC. ISSN: 0892-6638.

L6 ANSWER 43 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN

IN Sontheimer, Harald J.; Lyons, Susan A.
 TI Diagnosis and treatment of neuroectodermal tumors
 SO PCT Int. Appl., 56 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2000062807	A1	20001026	WO 2000-US10453	20000419
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

US 20020146749	A1	20021010	US 1999-296031	19990421
US 6667156	B2	20031223		
CA 2365533	A1	20001026	CA 2000-2365533	20000419
AU 2000044687	A	20001102	AU 2000-44687	20000419
AU 777209	B2	20041007		
EP 1200123	A1	20020502	EP 2000-926105	20000419
EP 1200123	B1	20051102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 2002542206	T	20021210	JP 2000-611943	20000419
AT 308340	T	20051115	AT 2000-926105	20000419
ES 2253223	T3	20060601	ES 2000-926105	20000419
MX 2001PA10595	A	20020311	MX 2001-PA10595	20011019

L6 ANSWER 44 OF 59 MEDLINE on STN DUPLICATE 20
AU Rouzaire-Dubois B; Milandri J B; Bostel S; Dubois J M
TI Control of cell proliferation by cell volume alterations in rat C6
glioma cells.
SO Pflugers Archiv : European journal of physiology, (2000 Oct) Vol. 440, No.
6, pp. 881-8.
Journal code: 0154720. ISSN: 0031-6768.

L6 ANSWER 45 OF 59 MEDLINE on STN DUPLICATE 21
AU Maertens C; Wei L; Tytgat J; Droogmans G; Nilius B
TI Chlorotoxin does not inhibit volume-regulated, calcium-activated
and cyclic AMP-activated chloride channels.
SO British journal of pharmacology, (2000 Feb) Vol. 129, No. 4, pp. 791-801.
Journal code: 7502536. ISSN: 0007-1188.

L6 ANSWER 46 OF 59 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on
STN
AU Lyons, S. A. [Reprint author]; O'Neal, J. T.; Sontheimer, H. W.
TI Chlorotoxin specifically targets not only human gliomas
but tumors of neuroectodermal origin.
SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract
No.-708.9. print.
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New
Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
ISSN: 0190-5295.

L6 ANSWER 47 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN
AU Soroceanu, Liliana
TI Role of ion channels in glioma cell invasion
SO (1999) 150 pp. Avail.: UMI, Order No. DA9935522
From: Diss. Abstr. Int., B 1999, 60(6), 2551

L6 ANSWER 48 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN
IN Ullrich, Nicole; Sontheimer, Harald W.
TI Method of diagnosing and treating gliomas
SO U.S., 34 pp.
CODEN: USXXAM

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 5905027	A	19990518	US 1996-774154	19961226
US 6028174	A	20000222	US 1997-980388	19971128
US 6319891	B1	20011120	US 1997-980394	19971128
US 20020071841	A1	20020613	US 1997-980395	19971128
US 6429187	B2	20020806		
US 20020065216	A1	20020530	US 2001-969618	20011004
US 6870029	B2	20050322		
US 20040141981	A1	20040722	US 2003-686782	20031017

US 20050142062 A1 20050630 US 2005-57602 20050215

- L6 ANSWER 49 OF 59 MEDLINE on STN DUPLICATE 22
AU Soroceanu L; Manning T J Jr; Sontheimer H
TI Modulation of glioma cell migration and invasion using Cl(-) and K(+) ion channel blockers.
SO The Journal of neuroscience : the official journal of the Society for Neuroscience, (1999 Jul 15) Vol. 19, No. 14, pp. 5942-54.
Journal code: 8102140. E-ISSN: 1529-2401.
- L6 ANSWER 50 OF 59 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
AU Sontheimer, Harald W. [Reprint Author]
TI Scorpion toxin as a diagnostic and therapeutic tool for primary brain tumors.
SO AAAS Annual Meeting and Science Innovation Exposition, (21-26 January 1999) Vol. 165, pp. A.47. print.
Meeting Info.: 1999 AAAS Annual Meeting and Science Innovation Exposition "Challenges for a New Century.". Anaheim, CA, USA. January 21-26, 1999.
American Association for the Advancement of Science.
- L6 ANSWER 51 OF 59 MEDLINE on STN DUPLICATE 23
AU Soroceanu L; Gillespie Y; Khazaeli M B; Sontheimer H
TI Use of chlorotoxin for targeting of primary brain tumors.
SO Cancer research, (1998 Nov 1) Vol. 58, No. 21, pp. 4871-9.
Journal code: 2984705R. ISSN: 0008-5472.
- L6 ANSWER 52 OF 59 MEDLINE on STN DUPLICATE 24
AU Ullrich N; Bordey A; Gillespie G Y; Sontheimer H
TI Expression of voltage-activated chloride currents in acute slices of human gliomas.
SO Neuroscience, (1998 Apr) Vol. 83, No. 4, pp. 1161-73.
Journal code: 7605074. ISSN: 0306-4522.
- L6 ANSWER 53 OF 59 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
AU Soroceanu, L.; Sontheimer, H.
TI Differential effects of Cl- and K+ channel blockers on migration and invasion of human glioma cells.
SO Society for Neuroscience Abstracts, (1998) Vol. 24, No. 1-2, pp. 314. print.
Meeting Info.: 28th Annual Meeting of the Society for Neuroscience, Part 1. Los Angeles, California, USA. November 7-12, 1998. Society for Neuroscience.
ISSN: 0190-5295.
- L6 ANSWER 54 OF 59 CAPLUS COPYRIGHT 2008 ACS on STN
IN Sontheimer, Harald W.; Ullrich, Nicole
TI Method of diagnosing and treating gliomas
SO PCT Int. Appl., 81 pp.
CODEN: PIXXD2
- | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| ----- | ---- | ----- | ----- | ----- |
| PI WO 9724619 | A1 | 19970710 | WO 1996-US20403 | 19961227 |
| W: AU, CA, JP | | | | |
| RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| CA 2249351 | A1 | 19970710 | CA 1996-2249351 | 19961227 |
| AU 9722399 | A | 19970728 | AU 1997-22399 | 19961227 |
| EP 953153 | A1 | 19991103 | EP 1996-946129 | 19961227 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, | | | | |

IE, FI

- L6 ANSWER 55 OF 59 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN
AU Soroceanu, L. [Reprint author]; Gillespie, G. Y.; Khazaeli, M. B.; Sontheimer, H.
TI Targeting of glioma cells using chlorotoxin, a scorpion venom peptide.
SO Society for Neuroscience Abstracts, (1997) Vol. 23, No. 1-2, pp. 2448. Meeting Info.: 27th Annual Meeting of the Society for Neuroscience. New Orleans, Louisiana, USA. October 25-30, 1997.
ISSN: 0190-5295.
- L6 ANSWER 56 OF 59 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN
AU Ullrich N (Reprint); Sontheimer H
TI Cell cycle-dependent expression of a glioma-specific chloride current: proposed link to cytoskeletal changes
SO AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY, (OCT 1997) Vol. 273, No. 4, pp. C1290-C1297.
ISSN: 0363-6143.
- L6 ANSWER 57 OF 59 MEDLINE on STN DUPLICATE 25
AU Ullrich N; Sontheimer H
TI Biophysical and pharmacological characterization of chloride currents in human astrocytoma cells.
SO The American journal of physiology, (1996 May) Vol. 270, No. 5 Pt 1, pp. C1511-21.
Journal code: 0370511. ISSN: 0002-9513.
- L6 ANSWER 58 OF 59 MEDLINE on STN DUPLICATE 26
AU Ullrich N; Gillespie G Y; Sontheimer H
TI Human astrocytoma cells express a unique chloride current.
SO Neuroreport, (1996 Apr 10) Vol. 7, No. 5, pp. 1020-4.
Journal code: 9100935. ISSN: 0959-4965.
- L6 ANSWER 59 OF 59 MEDLINE on STN DUPLICATE 27
AU Ullrich N; Gillespie G Y; Sontheimer H
TI Human astrocytoma cells express a unique chloride current.
SO Neuroreport, (1995 Dec 29) Vol. 7, No. 1, pp. 343-7.
Journal code: 9100935. ISSN: 0959-4965.
- => d ab 58 59 16
- L6 ANSWER 58 OF 59 MEDLINE on STN DUPLICATE 26
AB Human astrocytoma cells were studied using whole-cell patch-clamp recording. Voltage-dependent outwardly-rectifying anion currents were identified in primary cultures of six freshly resected human brain tumors and in seven established anaplastic astrocytoma/glioblastoma cell lines (U251MG, CH235MG, U373MG, U105MG, D54MG, SK-MG-1, and STTG1). Anion currents were not observed in normal, non-neoplastic glial cells, nor in human tumor-derived cells of non-glial origin (melanoma, breast cancer, neuroblastoma, rhabdomyosarcoma). Currents activated at potentials > 50 mV and showed large transients upon termination of voltage steps. Currents reversed at the predicted equilibrium potential for chloride ions and could also be recorded when Cl⁻ was replaced by F⁻, Br⁻ or I⁻. Currents were inhibited by the Cl⁻ channel blockers chlorotoxin, DIDS, and DNDS. These Cl⁻ currents may play a role in the growth control of astrocytoma cells.

L6 ANSWER 59 OF 59 MEDLINE on STN

DUPLICATE 27

AB Human astrocytoma cells were studied using whole-cell patch-clamp recording. Voltage-dependent outwardly-rectifying anion currents were identified in primary cultures of six freshly resected human brain tumors and in seven established anaplastic astrocytoma/glioblastoma cell lines (U251MG, CH235MG, U373MG, U105MG, D54MG, SK-MG-1, and STTG1). Anion currents were not observed in normal, non-neoplastic glial cells, nor in human tumor-derived cells of non-glial origin (melanoma, breast cancer, neuroblastoma, rhabdomyosarcoma). Currents activated at potentials > 50 mV and showed large transients upon termination of voltage steps. Currents reversed at the predicted equilibrium potential for chloride ions and could also be recorded when Cl⁻ was replaced by F⁻, Br⁻ or I⁻. Currents were inhibited by the Cl⁻ channel blockers chlorotoxin, DIDS, and DNDS. These Cl⁻ currents may play a role in the growth control of astrocytoma cells.

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